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NEWS	3	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS	4	OCT 28	KOREAPAT now available on STN
NEWS	5	NOV 30	PHAR reloaded with additional data
NEWS	6	DEC 01	LISA now available on STN
NEWS	7	DEC 09	12 databases to be removed from STN on December 31, 2004
NEWS	8	DEC 15	MEDLINE update schedule for December 2004
NEWS	9	DEC 17	ELCOM reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	10	DEC 17	COMPUAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	11	DEC 17	SOLIDSTATE reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	12	DEC 17	CERAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	13	DEC 17	THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB
NEWS	14	DEC 30	EPFULL: New patent full text database to be available on STN
NEWS	15	DEC 30	CAPLUS - PATENT COVERAGE EXPANDED
NEWS	16	JAN 03	No connect-hour charges in EPFULL during January and February 2005
NEWS	17	FEB 25	CA/CAPLUS - Russian Agency for Patents and Trademarks (ROSPATENT) added to list of core patent offices covered
NEWS	18	FEB 10	STN Patent Forums to be held in March 2005
NEWS	19	FEB 16	STN User Update to be held in conjunction with the 229th ACS National Meeting on March 13, 2005
NEWS	20	FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS	21	FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	22	FEB 28	MEDLINE/LMEDLINE reloaded
NEWS	23	MAR 02	GBFULL: New full-text patent database on STN
NEWS	24	MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	25	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS EXPRESS			JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
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FILE 'HOME' ENTERED AT 09:27:18 ON 04 MAR 2005

=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'STNGUIDE' ENTERED AT 09:28:02 ON 04 MAR 2005

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LAST RELOADED: Feb 25, 2005 (20050225/UP).

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.06	0.27

FILE 'HOME' ENTERED AT 09:28:08 ON 04 MAR 2005

=> file medline, uspatful, dgene, embase wpids, fsta, jicst, biosis, biotechds, cen, ceaba,  
scisearch

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.48

FILE 'MEDLINE' ENTERED AT 09:28:54 ON 04 MAR 2005

FILE 'USPATFULL' ENTERED AT 09:28:54 ON 04 MAR 2005

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FILE 'DGENE' ENTERED AT 09:28:54 ON 04 MAR 2005

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FILE 'SCISEARCH' ENTERED AT 09:28:54 ON 04 MAR 2005

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=> s (Aedes aegypti sterol carrier protein-2 or AeSCP-2)

3 FILES SEARCHED...

L1 15 (AEDES AEGYPTI STEROL CARRIER PROTEIN-2 OR AESCP-2)

=> d l1 ti abs ibib tot

L1 ANSWER 1 OF 15 MEDLINE on STN

TI Subcellular localization of the mosquito sterol carrier protein-2 and sterol carrier protein-x.

AB Subcellular distribution of *Aedes aegypti*

sterol carrier protein-2 (

**AeSCP-2**) and **AeSCP-x** was studied using electron

microscopy. In both cultured *A. aegypti* cells and in the larval midgut,

**AeSCP-2** was detected mostly in the cytosol, with some

labeling mitochondria and nucleus, but not in membranous vesicles. The

widespread distribution of **AeSCP-2** in the midgut

epithelium is consistent with its potential lipid transfer function in all

phases of cholesterol absorption. In contrast, **AeSCP-x** was found mostly

in the peroxisome. Differences in the subcellular distribution of

**AeSCP-2** and **AeSCP-x** suggest that these two members of

the SCP-2 gene family are functionally distinct. Overexpression of

**AeSCP-2** in *A. aegypti* cells showed increased

localization of **AeSCP-2** to cytosol, mitochondria, and

nucleus. This is the first report on the nuclear distribution of an SCP.

Overexpression of **AeSCP-2** resulted in increased

cholesterol incorporation in cells, suggesting that **AeSCP-**

**2** enhances cholesterol uptake.

Copyright 2004 American Society for Biochemistry and Molecular Biology,  
Inc.

ACCESSION NUMBER: 2004351261 MEDLINE

DOCUMENT NUMBER: PubMed ID: 15145982

TITLE: Subcellular localization of the mosquito sterol carrier protein-2 and sterol carrier protein-x.

AUTHOR: Lan Que; Massey Randall J

CORPORATE SOURCE: Department of Entomology, University of Wisconsin-Madison, Madison, WI 53706, USA.. qlan@entomology.wisc.edu

SOURCE: Journal of lipid research, (2004 Aug) 45 (8) 1468-74.

Electronic Publication: 2004-05-16.

Journal code: 0376606. ISSN: 0022-2275.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200502

ENTRY DATE: Entered STN: 20040716

Last Updated on STN: 20050209

Entered Medline: 20050208

*bad date*

L1 ANSWER 2 OF 15 MEDLINE on STN

TI Isolation and expression of a sterol carrier protein-2 gene from the yellow fever mosquito, *Aedes aegypti*.

AB Trafficking of cholesterol in insects is a very important process due to

the fact that insects depend on dietary cholesterol to fulfil their

physiological needs. We identified a putative mosquito sterol carrier

protein-2 (SCP-2) cDNA from fourth instar subtracted cDNA library. The

**AeSCP-2** protein has high degree homology in the sterol

transfer domain to both rat and human SCP-2. Transcripts of **AeSCP**

**-2** in fourth instars were detected strongly in the midgut, and

weakly in the head and hindgut. In the early pupae, **AeSCP-**

**2** transcription was observed in the thorax, head and body wall of

abdomen, but not in the gut. The interaction of mosquito sterol carrier

protein-2 (**AeSCP-2**) with cholesterol was examined.

The Kd of purified recombinant **AeSCP-2** to cholesterol

was 5.6 +/- 0.6 x 10<sup>-9</sup> M using radiolabelled cholesterol-binding assay.

The results suggest that **AeSCP-2** has high affinity to

cholesterol and may function as a carrier protein in mosquitoes.

ACCESSION NUMBER: 2003036500 MEDLINE

DOCUMENT NUMBER: PubMed ID: 12542635

TITLE: Isolation and expression of a sterol carrier protein-2 gene

from the yellow fever mosquito, *Aedes aegypti*.  
 AUTHOR: Krebs K C; Lan Q  
 CORPORATE SOURCE: Department of Entomology, University of Wisconsin-Madison,  
 Madison, WI 53076, USA.  
 SOURCE: Insect molecular biology, (2003 Feb) 12 (1) 51-60.  
Journal code: 9303579. ISSN: 0962-1075.  
 PUB. COUNTRY: England; United Kingdom  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 200304  
 ENTRY DATE: Entered STN: 20030125  
 Last Updated on STN: 20030404  
 Entered Medline: 20030403

L1 ANSWER 3 OF 15 USPATFULL on STN  
 TI Sterol carrier protein-2 from the mosquito, *Aedes aegypti*  
 AB The invention provides **AeSCP-2** polypeptides,  
 polynucleotides encoding **AeSCP-2** polypeptides, and  
 methods for producing such materials by recombinant techniques. Also  
 provided are methods for utilizing **AeSCP-2**  
 polypeptides to screen for compounds exhibiting antagonist or agonist  
 activity toward **AeSCP-2** biological activity, in  
 particular, cholesterol transport.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2004:271391 USPATFULL  
 TITLE: Sterol carrier protein-2 from the mosquito, *Aedes*  
*aegypti*  
 INVENTOR(S): Lan, Que, Madison, WI, UNITED STATES  
 Krebs, Kendall C., Waterloo, WI, UNITED STATES  
 PATENT ASSIGNEE(S): Wisconsin Alumni Research Foundation (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004211865	A1	20041028
APPLICATION INFO.:	US 2004-823203	A1	20040413 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2003-465648P	20030425 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	GODFREY & KAHN, S.C., 780 N. WATER STREET, MILWAUKEE, WI, 53202	
NUMBER OF CLAIMS:	11	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Page(s)	
LINE COUNT:	1594	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 4 OF 15 DGENE COPYRIGHT 2005 The Thomson Corp on STN  
 TI Novel isolated and purified ***Aedes aegypti***  
**sterol carrier protein-2**  
 polypeptide or its fragment capable of intracellular cholesterol  
 transport, useful for identifying agonist or antagonist of biological  
 activity of polypeptide.  
 AN ADT61142 protein DGENE  
 AB The invention relates to an isolated and purified ***Aedes***  
***aegypti* sterol carrier protein-**  
**2 (AeSCP-2) polypeptide.** The polypeptide  
 useful for identifying whether a compound is an agonist or antagonist of  
**AeSCP-2** biological activity. The polypeptide is useful  
 for identifying compounds which bind to or interact with the polypeptide  
 or its fragments. The polypeptide is capable of intracellular  
 cholesterol transport in mosquitoes. The present sequence represents the  
 amino acid sequence of the yellow fever mosquito sterol carrier  
 protein-2 (**AeSCP-2**).

ACCESSION NUMBER: ADT61142 protein DGENE  
TITLE: Novel isolated and purified **Aedes aegypti**  
**sterol carrier protein-2**  
polypeptide or its fragment capable of intracellular  
cholesterol transport, useful for identifying agonist or  
antagonist of biological activity of polypeptide.  
INVENTOR: Lan Q; Krebs K C  
PATENT ASSIGNEE: (WISC)WISCONSIN ALUMNI RES FOUND.  
PATENT INFO: US 2004211865 A1 20041028 23p  
APPLICATION INFO: US 2004-823203 20040413  
PRIORITY INFO: US 2003-465648P 20030425  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
OTHER SOURCE: 2004-765537 [75]  
CROSS REFERENCES: N-PSDB: ADT61140; ADT61141  
DESCRIPTION: Yellow fever mosquito sterol carrier protein-2 (**AeSCP**  
-2).

L1 ANSWER 5 OF 15 DGENE COPYRIGHT 2005 The Thomson Corp on STN

TI Novel isolated and purified **Aedes aegypti**  
**sterol carrier protein-2**  
polypeptide or its fragment capable of intracellular cholesterol  
transport, useful for identifying agonist or antagonist of biological  
activity of polypeptide.

AN ADT61144 DNA DGENE

AB The invention relates to an isolated and purified **Aedes**  
**aegypti sterol carrier protein-**  
**2 (AeSCP-2)** polypeptide. The polypeptide  
useful for identifying whether a compound is an agonist or antagonist of  
**AeSCP-2** biological activity. The polypeptide is useful  
for identifying compounds which bind to or interact with the polypeptide  
or its fragments. The polypeptide is capable of intracellular  
cholesterol transport in mosquitoes. The present sequence represents a  
yellow fever mosquito sterol carrier protein-2 (**AeSCP-**  
2) 5' rapid amplification of cDNA end (RACE) primer.

ACCESSION NUMBER: ADT61144 DNA DGENE

TITLE: Novel isolated and purified **Aedes aegypti**  
**sterol carrier protein-2**  
polypeptide or its fragment capable of intracellular  
cholesterol transport, useful for identifying agonist or  
antagonist of biological activity of polypeptide.

INVENTOR: Lan Q; Krebs K C

PATENT ASSIGNEE: (WISC)WISCONSIN ALUMNI RES FOUND.

PATENT INFO: US 2004211865 A1 20041028 23p

APPLICATION INFO: US 2004-823203 20040413

PRIORITY INFO: US 2003-465648P 20030425

DOCUMENT TYPE: Patent

LANGUAGE: English

OTHER SOURCE: 2004-765537 [75]

DESCRIPTION: Yellow fever mosquito sterol carrier protein-2 5' RACE  
primer-2.

L1 ANSWER 6 OF 15 DGENE COPYRIGHT 2005 The Thomson Corp on STN

TI Novel isolated and purified **Aedes aegypti**  
**sterol carrier protein-2**  
polypeptide or its fragment capable of intracellular cholesterol  
transport, useful for identifying agonist or antagonist of biological  
activity of polypeptide.

AN ADT61141 cDNA DGENE

AB The invention relates to an isolated and purified **Aedes**  
**aegypti sterol carrier protein-**  
**2 (AeSCP-2)** polypeptide. The polypeptide  
useful for identifying whether a compound is an agonist or antagonist of  
**AeSCP-2** biological activity. The polypeptide is useful  
for identifying compounds which bind to or interact with the polypeptide  
or its fragments. The polypeptide is capable of intracellular  
cholesterol transport in mosquitoes. The present sequence represents the  
yellow fever mosquito sterol carrier protein-2 (**AeSCP-**

2) cDNA.

ACCESSION NUMBER: ADT61141 cDNA DGENE  
 TITLE: Novel isolated and purified **Aedes aegypti**  
**sterol carrier protein-2**  
 polypeptide or its fragment capable of intracellular  
 cholesterol transport, useful for identifying agonist or  
 antagonist of biological activity of polypeptide.  
 INVENTOR: Lan Q; Krebs K C  
 PATENT ASSIGNEE: (WISC)WISCONSIN ALUMNI RES FOUND.  
 PATENT INFO: US 2004211865 A1 20041028 23p  
 APPLICATION INFO: US 2004-823203 20040413  
 PRIORITY INFO: US 2003-465648P 20030425  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 OTHER SOURCE: 2004-765537 [75]  
 CROSS REFERENCES: P-PSDB: ADT61142  
 DESCRIPTION: Yellow fever mosquito sterol carrier protein-2 (**AeSCP**  
 -2) cDNA.

L1 ANSWER 7 OF 15 DGENE COPYRIGHT 2005 The Thomson Corp on STN  
 TI Novel isolated and purified **Aedes aegypti**  
**sterol carrier protein-2**  
 polypeptide or its fragment capable of intracellular cholesterol  
 transport, useful for identifying agonist or antagonist of biological  
 activity of polypeptide.

AN ADT61143 DNA DGENE  
 AB The invention relates to an isolated and purified **Aedes**  
**aegypti sterol carrier protein-**  
**2 (AeSCP-2)** polypeptide. The polypeptide  
 useful for identifying whether a compound is an agonist or antagonist of  
**AeSCP-2** biological activity. The polypeptide is useful  
 for identifying compounds which bind to or interact with the polypeptide  
 or its fragments. The polypeptide is capable of intracellular  
 cholesterol transport in mosquitoes. The present sequence represents a  
 yellow fever mosquito sterol carrier protein-2 (**AeSCP-**  
 2) 5' rapid amplification of cDNA end (RACE) primer.

ACCESSION NUMBER: ADT61143 DNA DGENE  
 TITLE: Novel isolated and purified **Aedes aegypti**  
**sterol carrier protein-2**  
 polypeptide or its fragment capable of intracellular  
 cholesterol transport, useful for identifying agonist or  
 antagonist of biological activity of polypeptide.  
 INVENTOR: Lan Q; Krebs K C  
 PATENT ASSIGNEE: (WISC)WISCONSIN ALUMNI RES FOUND.  
 PATENT INFO: US 2004211865 A1 20041028 23p  
 APPLICATION INFO: US 2004-823203 20040413  
 PRIORITY INFO: US 2003-465648P 20030425  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 OTHER SOURCE: 2004-765537 [75]  
 DESCRIPTION: Yellow fever mosquito sterol carrier protein-2 5' RACE  
 primer-1.

L1 ANSWER 8 OF 15 DGENE COPYRIGHT 2005 The Thomson Corp on STN  
 TI Novel isolated and purified **Aedes aegypti**  
**sterol carrier protein-2**  
 polypeptide or its fragment capable of intracellular cholesterol  
 transport, useful for identifying agonist or antagonist of biological  
 activity of polypeptide.

AN ADT61140 cDNA DGENE  
 AB The invention relates to an isolated and purified **Aedes**  
**aegypti sterol carrier protein-**  
**2 (AeSCP-2)** polypeptide. The polypeptide  
 useful for identifying whether a compound is an agonist or antagonist of  
**AeSCP-2** biological activity. The polypeptide is useful  
 for identifying compounds which bind to or interact with the polypeptide  
 or its fragments. The polypeptide is capable of intracellular  
 cholesterol transport in mosquitoes. The present sequence represents the

yellow fever mosquito sterol carrier protein-2 (**AeSCP-2**) coding region.

ACCESSION NUMBER: ADT61140 cDNA DGENE  
TITLE: Novel isolated and purified **Aedes aegypti**  
**sterol carrier protein-2**  
polypeptide or its fragment capable of intracellular  
cholesterol transport, useful for identifying agonist or  
antagonist of biological activity of polypeptide.  
INVENTOR: Lan Q; Krebs K C  
PATENT ASSIGNEE: (WISC)WISCONSIN ALUMNI RES FOUND.  
PATENT INFO: US 2004211865 A1 20041028 23p  
APPLICATION INFO: US 2004-823203 20040413  
PRIORITY INFO: US 2003-465648P 20030425  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
OTHER SOURCE: 2004-765537 [75]  
CROSS REFERENCES: P-PSDB: ADT61142  
DESCRIPTION: Yellow fever mosquito sterol carrier protein-2 (**AeSCP-2**) coding region.

L1 ANSWER 9 OF 15 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED.  
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TI Subcellular localization of the mosquito sterol carrier protein-2 and  
sterol carrier protein-x.

AB Subcellular distribution of **Aedes aegypti**  
**sterol carrier protein-2** (**AeSCP-2**) and **AeSCP-x** was studied using electron  
microscopy. In both cultured *A. aegypti* cells and in the larval midgut,  
**AeSCP-2** was detected mostly in the cytosol, with some  
labeling mitochondria and nucleus, but not in membranous vesicles. The  
widespread distribution of **AeSCP-2** in the midgut  
epithelium is consistent with its potential lipid transfer function in all  
phases of cholesterol absorption. In contrast, **AeSCP-x** was found mostly in  
the peroxisome. Differences in the subcellular distribution of  
**AeSCP-2** and **AeSCP-x** suggest that these two members of  
the SCP-2 gene family are functionally distinct. Overexpression of  
**AeSCP-2** in *A. aegypti* cells showed increased  
localization of **AeSCP-2** to cytosol, mitochondria, and  
nucleus. This is the first report on the nuclear distribution of an SCP.  
Overexpression of **AeSCP-2** resulted in increased  
cholesterol incorporation in cells, suggesting that **AeSCP-2**  
enhances cholesterol uptake.

ACCESSION NUMBER: 2004330817 EMBASE  
TITLE: Subcellular localization of the mosquito sterol carrier  
protein-2 and sterol carrier protein-x.  
AUTHOR: Lan Q.; Massey R.J.  
CORPORATE SOURCE: Q. Lan, Department of Entomology, University of  
Wisconsin-Madison, Madison, WI 53706, United States.  
qlan@entomology.wisc.edu  
SOURCE: Journal of Lipid Research, (2004) 45/8 (1468-1474).  
Refs: 27  
ISSN: 0022-2275 CODEN: JLPRAW  
COUNTRY: United States  
DOCUMENT TYPE: Journal; Article  
FILE SEGMENT: 004 Microbiology  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L1 ANSWER 10 OF 15 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN

TI Novel isolated and purified **Aedes aegypti**  
**sterol carrier protein-2** polypeptide  
or its fragment capable of intracellular cholesterol transport, useful for  
identifying agonist or antagonist of biological activity of polypeptide.

AN 2004-765537 [75] WPIDS

AB US2004211865 A UPAB: 20041122  
NOVELTY - An isolated and purified **Aedes aegypti**  
**sterol carrier protein-2** (**AeSCP-2**) polypeptide (I) comprising an amino acid

sequence at least 85% identical to a fully defined sequence of 110 amino acids (S1) as given in the specification, or its biologically-active fragment capable of intracellular cholesterol transport, is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for:

(1) an isolated and purified nucleic acid (II) specifically hybridizing under stringent conditions to either strand of a denatured, double-stranded nucleic acid encoding (S1);

(2) an expression vector (III) comprising (II);

(3) a transformed host cell or organism (IV) comprising (II); and

(4) preparing (I).

USE - (I) is useful for identifying whether a compound is an agonist or antagonist of **AeSCP-2** biological activity, which involves incubating (I) comprising (S1) or its biologically-active fragment with a biological target in the presence of a compound, and measuring the ability of the compound to enhance or block the interaction between (I) or its fragment and the biological target, thus identifying an agonist or antagonist effective in altering **AeSCP-2** biological activity, where the biological target is cholesterol and the **AeSCP-2** biological activity is cholesterol transport.

(I) is useful for identifying compounds which bind to or interact with (I) or its fragments, which involves contacting (I) or its fragment with a compound to be screened under conditions to permit binding to or interaction between the compound and (I) or its fragment to assess the binding to or interaction with the compound, where the binding or interaction is associated with a detectable signal in response to the binding or interaction of (I) or its fragment with the compound, and determining whether the compound binds to or interacts with (I) or its fragment by detecting the presence or absence of the signal generated from the binding or interaction of the compound with (I) or its fragment (claimed).

ADVANTAGE - (I) is capable of intracellular cholesterol transport in mosquitoes.

Dwg.0/7

ACCESSION NUMBER: 2004-765537 [75] WPIDS  
DOC. NO. NON-CPI: N2004-603943  
DOC. NO. CPI: C2004-268343  
TITLE: Novel isolated and purified **Aedes aegypti** sterol carrier protein-2 polypeptide or its fragment capable of intracellular cholesterol transport, useful for identifying agonist or antagonist of biological activity of polypeptide.  
DERWENT CLASS: B04 D16 S03  
INVENTOR(S): KREBS, K C; LAN, Q  
PATENT ASSIGNEE(S): (WISC) WISCONSIN ALUMNI RES FOUND  
COUNTRY COUNT: 1  
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
US 2004211865	A1	20041028	(200475)*		23

#### APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
US 2004211865	A1 Provisional	US 2003-465648P	20030425
		US 2004-823203	20040413

PRIORITY APPLN. INFO: US 2003-465648P 20030425; US  
2004-823203 20040413

L1 ANSWER 11 OF 15 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
STN

TI Subcellular localization of the mosquito sterol carrier protein-2 and  
sterol carrier protein-x.

AB Subcellular distribution of **Aedes aegypti**



**sterol carrier protein-2 (AeSCP-2)** and AeSCP-x was studied using electron microscopy. In both cultured *A. aegypti* cells and in the larval midgut, **AeSCP-2** was detected mostly in the cytosol, with some labeling mitochondria and nucleus, but not in membranous vesicles. The widespread distribution of **AeSCP-2** in the midgut epithelium is consistent with its potential lipid transfer function in all phases of cholesterol absorption. In contrast, AeSCP-x was found mostly in the peroxisome. Differences in the subcellular distribution of **AeSCP-2** and AeSCP-x suggest that these two members of the SCP-2 gene family are functionally distinct. Overexpression of **AeSCP-2** in *A. aegypti* cells showed increased localization of **AeSCP-2** to cytosol, mitochondria, and nucleus. This is the first report on the nuclear distribution of an SCP. Overexpression of **AeSCP-2** resulted in increased cholesterol incorporation in cells, suggesting that **AeSCP-2** enhances cholesterol uptake.-Lan, Q., and R. J. Massey. Subcellular localization of the mosquito sterol carrier protein-2 and sterol carrier protein-x.

ACCESSION NUMBER: 2004:404206 BIOSIS  
DOCUMENT NUMBER: PREV200400408392  
TITLE: Subcellular localization of the mosquito sterol carrier protein-2 and sterol carrier protein-x.  
AUTHOR(S): Lan, Que [Reprint Author]; Massey, Randall J.  
CORPORATE SOURCE: Dept Entomol, Univ Wisconsin, Madison, WI, 53706, USA  
qlan@entomology.wisc.edu  
SOURCE: Journal of Lipid Research, (August 2004) Vol. 45, No. 8, pp. 1468-1474. print.  
CODEN: JLPRAW. ISSN: 0022-2275.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
ENTRY DATE: Entered STN: 20 Oct 2004  
Last Updated on STN: 20 Oct 2004

L1 ANSWER 12 OF 15 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN  
TI Isolation and expression of a sterol carrier protein-2 gene from the yellow fever mosquito, *Aedes aegypti*.  
AB Trafficking of cholesterol in insects is a very important process due to the fact that insects depend on dietary cholesterol to fulfil their physiological needs. We identified a putative mosquito sterol carrier protein-2 (SCP-2) cDNA from fourth instar subtracted cDNA library. The **AeSCP-2** protein has high degree homology in the sterol transfer domain to both rat and human SCP-2. Transcripts of **AeSCP-2** in fourth instars were detected strongly in the midgut, and weakly in the head and hindgut. In the early pupae, **AeSCP-2** transcription was observed in the thorax, head and body wall of abdomen, but not in the gut. The interaction of mosquito sterol carrier protein-2 (**AeSCP-2**) with cholesterol was examined. The Kd of purified recombinant **AeSCP-2** to cholesterol was  $5.6 \pm 0.6 \times 10^{-9}$  M using radiolabelled cholesterol-binding assay. The results suggest that **AeSCP-2** has high affinity to cholesterol and may function as a carrier protein in mosquitoes.

ACCESSION NUMBER: 2003:119677 BIOSIS  
DOCUMENT NUMBER: PREV200300119677  
TITLE: Isolation and expression of a sterol carrier protein-2 gene from the yellow fever mosquito, *Aedes aegypti*.  
AUTHOR(S): Krebs, K. C.; Lan, Q. [Reprint Author]  
CORPORATE SOURCE: Department of Entomology, University of Wisconsin-Madison, Madison, WI, 53706, USA  
qlan@entomology.wisc.edu  
SOURCE: Insect Molecular Biology, (February 2003) Vol. 12, No. 1, pp. 51-60. print.  
ISSN: 0962-1075 (ISSN print).  
DOCUMENT TYPE: Article  
LANGUAGE: English  
ENTRY DATE: Entered STN: 5 Mar 2003  
Last Updated on STN: 5 Mar 2003

TI Novel isolated and purified **Aedes aegypti**

**sterol carrier protein-2**

polypeptide or its fragment capable of intracellular cholesterol transport, useful for identifying agonist or antagonist of biological activity of polypeptide;

recombinant protein production via plasmid expression in host cell for use in drug screenin

AN 2004-26494 BIOTECHDS

AB DERWENT ABSTRACT:

NOVELTY - An isolated and purified **Aedes aegypti**

**sterol carrier protein-2** (

**AeSCP-2**) polypeptide (I) comprising an amino acid sequence at least 85% identical to a fully defined sequence of 110 amino acids (S1) as given in the specification, or its biologically-active fragment capable of intracellular cholesterol transport, is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for: (1) an isolated and purified nucleic acid (II) specifically hybridizing under stringent conditions to either strand of a denatured, double-stranded nucleic acid encoding (S1); (2) an expression vector (III) comprising (II); (3) a transformed host cell or organism (IV) comprising (II); and (4) preparing (I).

BIOTECHNOLOGY - Preparation: (I) is produced by culturing (IV) under conditions conducive to expression of (I), and recovering the expressed polypeptide from (IV) in isolated and purified form (claimed). Preferred Polypeptide: In (I), the amino acid sequence is (S1). Preferred Nucleic Acid: In (II), the denatured, double-stranded nucleic acid encoding (S1), is the nucleotide sequence comprising a fully defined sequence of 333 base pairs as given in the specification.

USE - (I) is useful for identifying whether a compound is an agonist or antagonist of **AeSCP-2** biological activity, which involves incubating (I) comprising (S1) or its biologically-active fragment with a biological target in the presence of a compound, and measuring the ability of the compound to enhance or block the interaction between (I) or its fragment and the biological target, thus identifying an agonist or antagonist effective in altering **AeSCP-2** biological activity, where the biological target is cholesterol and the **AeSCP-2** biological activity is cholesterol transport.

(I) is useful for identifying compounds which bind to or interact with (I) or its fragments, which involves contacting (I) or its fragment with a compound to be screened under conditions to permit binding to or interaction between the compound and (I) or its fragment to assess the binding to or interaction with the compound, where the binding or interaction is associated with a detectable signal in response to the binding or interaction of (I) or its fragment with the compound, and determining whether the compound binds to or interacts with (I) or its fragment by detecting the presence or absence of the signal generated from the binding or interaction of the compound with (I) or its fragment (claimed).

ADVANTAGE - (I) is capable of intracellular cholesterol transport in mosquitoes.

EXAMPLE - Preparation of recombinant **Aedes aegypti**

**sterol carrier protein-2** (rAeSCP-2)

polypeptide was carried out as follows. To produce rAeSCP-2 the entire coding region of the **AeSCP-2** gene was cloned into the pGEX-4T glutathione-S-transferase (GST) tag vector. Sequence analysis was performed to confirm that the fusion protein was in frame with GST. The GST/**AeSCP-2** fusion protein was purified on a GST affinity column and the GST tag was removed by digesting with thrombin. The vector was introduced into bacterial cells. The bacterial culture was incubated overnight at 18degreesC after addition of isopropyl-beta-D-thiogalactopyranoside (IPTG) (0.2 mM). The predicted molecular weight of **AeSCP-2** was 12.3 kDa and the purified rAeSCP-2 was 13 kDa estimated on the sodium dodecyl sulfate- polyacrylamide gel electrophoresis (SDS-PAGE). Thrombin was removed from eluted rAeSCP-2 by passing through a benzamidine column. The fusion protein (100 mg) from cultures (2.5 l) was obtained. Purified **AeSCP-2** was

concentrated to 8.1 mg/ml in phosphate buffered saline (PBS), pH 7.4, and stored in PBS at -80degreesC. (23 pages)

ACCESSION NUMBER: 2004-26494 BIOTECHDS

TITLE: Novel isolated and purified **Aedes aegypti**  
**sterol carrier protein-2**  
polypeptide or its fragment capable of intracellular  
cholesterol transport, useful for identifying agonist or  
antagonist of biological activity of polypeptide;  
recombinant protein production via plasmid expression in  
host cell for use in drug screenin

AUTHOR: LAN Q; KREBS K C

PATENT ASSIGNEE: WISCONSIN ALUMNI RES FOUND

PATENT INFO: US 2004211865 28 Oct 2004

APPLICATION INFO: US 2004-823203 13 Apr 2004

PRIORITY INFO: US 2004-823203 13 Apr 2004; US 2003-465648 25 Apr 2003

DOCUMENT TYPE: Patent

LANGUAGE: English

OTHER SOURCE: WPI: 2004-765537 [75]

L1 ANSWER 14 OF 15 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on  
STN

TI Subcellular localization of the mosquito sterol carrier protein-2 and  
sterol carrier protein-x

AB Subcellular distribution of **Aedes aegypti**

**sterol carrier protein-2** (  
**AeSCP-2**) and **AeSCP-x** was studied using electron  
microscopy. In both cultured *A. aegypti* cells and in the larval midgut,  
**AeSCP-2** was detected mostly in the cytosol, with some  
labeling mitochondria and nucleus, but not in membranous vesicles. The  
widespread distribution of **AeSCP-2** in the midgut  
epithelium is consistent with its potential lipid transfer function in all  
phases of cholesterol absorption. In contrast, **AeSCP-x** was found mostly in  
the peroxisome. Differences in the subcellular distribution of  
**AeSCP-2** and **AeSCP-x** suggest that these two members of  
the SCP-2 gene family are functionally distinct. Overexpression of  
**AeSCP-2** in *A. aegypti* cells showed increased  
localization of **AeSCP-2** to cytosol, mitochondria, and  
nucleus. This is the first report on the nuclear distribution of an SCP.  
Overexpression of **AeSCP-2** resulted in increased  
cholesterol incorporation in cells, suggesting that **AeSCP-**  
**2** enhances cholesterol uptake.-Lan, Q., and R. J. Massey.  
Subcellular localization of the mosquito sterol carrier protein-2 and  
sterol carrier protein-x.

ACCESSION NUMBER: 2004:720557 SCISEARCH

THE GENUINE ARTICLE: 843NN

TITLE: Subcellular localization of the mosquito sterol carrier  
protein-2 and sterol carrier protein-x

AUTHOR: Lan Q (Reprint); Massey R J

CORPORATE SOURCE: Univ Wisconsin, Dept Entomol, Madison, WI 53706 USA  
(Reprint); Univ Wisconsin, Dept Electron Microscope Facil,  
Madison, WI 53706 USA

COUNTRY OF AUTHOR: USA

SOURCE: JOURNAL OF LIPID RESEARCH, (AUG 2004) Vol. 45, No. 8, pp.  
1468-1474.

Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC,  
9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3996 USA.  
ISSN: 0022-2275.

DOCUMENT TYPE: Article; Journal

LANGUAGE: English

REFERENCE COUNT: 26

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L1 ANSWER 15 OF 15 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on  
STN

TI Isolation and expression of a sterol carrier protein-2 gene from the  
yellow fever mosquito, *Aedes aegypti*

AB Trafficking of cholesterol in insects is a very important process due  
to the fact that insects depend on dietary cholesterol to fulfil their

physiological needs. We identified a putative mosquito sterol carrier protein-2 (SCP-2) cDNA from fourth instar subtracted cDNA library. The **AeSCP-2** protein has high degree homology in the sterol transfer domain to both rat and human SCP-2. Transcripts of **AeSCP-2** in fourth instars were detected strongly in the midgut, and weakly in the head and hindgut. In the early pupae, **AeSCP-2** transcription was observed in the thorax, head and body wall of abdomen, but not in the gut.

The interaction of mosquito sterol carrier protein-2 (**AeSCP-2**) with cholesterol was examined. The K-d of purified recombinant **AeSCP-2** to cholesterol was  $5.6 \pm 0.6 \times 10^{-9}$  m using radiolabelled cholesterol-binding assay. The results suggest that **AeSCP-2** has high affinity to cholesterol and may function as a carrier protein in mosquitoes.

ACCESSION NUMBER: 2003:117881 SCISEARCH  
THE GENUINE ARTICLE: 638LH  
TITLE: Isolation and expression of a sterol carrier protein-2 gene from the yellow fever mosquito, *Aedes aegypti*  
AUTHOR: Krebs K C; Lan Q (Reprint)  
CORPORATE SOURCE: Univ Wisconsin, Dept Entomol, Madison, WI 53706 USA (Reprint)  
COUNTRY OF AUTHOR: USA  
SOURCE: INSECT MOLECULAR BIOLOGY, (FEB 2003) Vol. 12, No. 1, pp. 51-60.  
Publisher: BLACKWELL PUBLISHING LTD, 9600 GARSINGTON RD, OXFORD OX4 2DG, OXON, ENGLAND.  
ISSN: 0962-1075.  
DOCUMENT TYPE: Article; Journal  
LANGUAGE: English  
REFERENCE COUNT: 63  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

=> s yellow fever mosquito and (SCPIS?)  
L2 0 YELLOW FEVER MOSQUITO AND (SCPIS?)

=> s tobacco hornworm or manduca sexta  
L3 14656 TOBACCO HORNWORM OR MANDUCA SEXTA

=> s yellow fever mosquito  
L4 1493 YELLOW FEVER MOSQUITO

=> s l2 and (SCPI)  
L5 0 L2 AND (SCPI)

=> s l3 and (SCPI)  
L6 0 L3 AND (SCPI)

=> s l4 and (SCPI)  
L7 0 L4 AND (SCPI)

=> d his

(FILE 'HOME' ENTERED AT 09:27:18 ON 04 MAR 2005)

FILE 'STNGUIDE' ENTERED AT 09:28:02 ON 04 MAR 2005

FILE 'HOME' ENTERED AT 09:28:08 ON 04 MAR 2005

FILE 'MEDLINE, USPATFULL, DGENE, EMBASE, WPIDS, FSTA, JICST-EPLUS, BIOSIS, BIOTECHDS, CEN, CEABA-VTB, SCISEARCH' ENTERED AT 09:28:54 ON 04 MAR 2005

L1 15 S (AEDES AEGYPTI STEROL CARRIER PROTEIN-2 OR AESCP-2)  
L2 0 S YELLOW FEVER MOSQUITO AND (SCPIS?)  
L3 14656 S TOBACCO HORNWORM OR MANDUCA SEXTA  
L4 1493 S YELLOW FEVER MOSQUITO  
L5 0 S L2 AND (SCPI)  
L6 0 S L3 AND (SCPI)

L7

0 S L4 AND (SCPI)

=> e lan, q/au

E1	1	LAN ZU XIU/AU
E2	1	LAN ZUZAI/AU
E3	0	--> LAN, Q/AU
E4	8	LANA A/AU
E5	21	LANA A F/AU
E6	11	LANA A M/AU
E7	27	LANA A M A/AU
E8	4	LANA A M Q/AU
E9	19	LANA A O/AU
E10	3	LANA A T/AU
E11	1	LANA ADOLFO P B/AU
E12	1	LANA ALLAN FEMI/AU

=> e krebs, k/au

E1	2	KREBS YUILL BARBARA A/AU
E2	2	KREBS YVES/AU
E3	0	--> KREBS, K/AU
E4	1	KREBSBACH A/AU
E5	1	KREBSBACH C/AU
E6	2	KREBSBACH D/AU
E7	1	KREBSBACH F/AU
E8	1	KREBSBACH F E/AU
E9	1	KREBSBACH FREDERICK E/AU
E10	3	KREBSBACH FRIEDHELM/AU
E11	2	KREBSBACH G R/AU
E12	1	KREBSBACH GERALD R/AU

## Refine Search

### Search Results -

Terms	Documents
L1 and (agonist or antagonist)	30700

Database:

US Pre-Grant Publication Full-Text Database  
US Patents Full-Text Database  
US OCR Full-Text Database  
EPO Abstracts Database  
JPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

Search:

L2

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DATE: Friday, March 04, 2005   [Printable Copy](#)   [Create Case](#)

#### Set Name Query

side by side

*DB=USPT; PLUR=YES; OP=OR*

L2   L1 and (agonist or antagonist)

L1   (Aedes aegypti sterol carrier protein-2 or AeSCP-2)

#### Hit Count Set Name

result set

30700   L2

519585   L1

END OF SEARCH HISTORY

## Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
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Search Results - Record(s) 1 through 10 of 30700 returned.

☐ 1. Document ID: US 6862561 B2

L2: Entry 1 of 30700

File: USPT

Mar 1, 2005

US-PAT-NO: 6862561

DOCUMENT-IDENTIFIER: US 6862561 B2

TITLE: Method and apparatus for computer modeling a joint

DATE-ISSUED: March 1, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Defranoux; Nadine A.	San Francisco	CA		
Dubnicoff; Todd B.	Burlingame	CA		
Klinke, II; David J.	San Bruno	CA		
Lewis; Annette K.	Menlo Park	CA		
Paterson; Thomas S.	West Hollywood	CA		
Ramanujan; Saroja	San Mateo	CA		
Shoda; Lisl K. M.	Redwood City	CA		
Soderstrom; Karl Petter	San Francisco	CA		
Struemper; Herbert K.	Menlo Park	CA		

US-CL-CURRENT: 703/11; 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Knowl	Draw De
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☐ 2. Document ID: US 6861561 B2

L2: Entry 2 of 30700

File: USPT

Mar 1, 2005

US-PAT-NO: 6861561

DOCUMENT-IDENTIFIER: US 6861561 B2

TITLE: Substituted aromatic polycyclic tertiary-heteroalkylamines useful for inhibiting cholesteryl ester transfer protein activity

DATE-ISSUED: March 1, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Sikorski; James A.	Des Peres	MO
Durley; Richard C.	Chesterfield	MO
Massa; Mark A.	Ballwin	MO
Wang; Jane L.	Wildwood	MO
Mischke; Deborah A.	Defiance	MO
Parnas; Barry L.	University City	MO
Rueppel; Melvin L.	St. Louis	MO

US-CL-CURRENT: 564/374; 546/300, 548/202, 548/214, 548/247, 549/373, 549/451,  
549/491, 549/74, 558/422, 560/42, 564/315 , 564/323, 564/381, 564/382, 564/383,  
564/384, 564/389, 564/390

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 3. Document ID: US 6861529 B2

L2: Entry 3 of 30700

File: USPT

Mar 1, 2005

US-PAT-NO: 6861529

DOCUMENT-IDENTIFIER: US 6861529 B2

TITLE: Cycloalkylpyrrole-3-carboxylic acid derivatives and heterocycloalkylpyrrole-3-carboxylic acid derivatives

DATE-ISSUED: March 1, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yohannes; Daniel	New London	CT		
Maynard; George	Clinton	CT		
Liu; Xiaojun	New London	CT		

US-CL-CURRENT: 546/183; 546/122, 546/199

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 4. Document ID: US 6861524 B2

L2: Entry 4 of 30700

File: USPT

Mar 1, 2005

US-PAT-NO: 6861524

DOCUMENT-IDENTIFIER: US 6861524 B2

TITLE: Acyl and sulfonyl derivatives of 6,9-disubstituted 2-(trans-1,4-diaminocyclohexyl)-purines and their use as antiproliferative agents

DATE-ISSUED: March 1, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Borcherding; David	Bangor	PA
Dumont; Jennifer A.	Groton	MA
Peet; Norton P.	North Andover	MA
Wright; Paul S.	New Hope	PA

US-CL-CURRENT: 544/277

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw D
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☐ 5. Document ID: US 6861510 B1

L2: Entry 5 of 30700

File: USPT

Mar 1, 2005

US-PAT-NO: 6861510

DOCUMENT-IDENTIFIER: US 6861510 B1

TITLE: Immunogenic compositions against gastrin peptides

DATE-ISSUED: March 1, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gevas; Philip C.	Honolulu	HI		
Karr; Stephen L.	Davis	CA		
Grimes; Stephen	Davis	CA		
Littenberg; Richard L.	Kai Lua	HI		

US-CL-CURRENT: 530/388.1; 424/130.1, 424/141.1, 424/142.1, 424/184.1, 530/326,  
530/327, 530/328, 530/329, 530/330, 530/386, 530/387.1, 530/388.15, 530/388.24

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw D
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☐ 6. Document ID: US 6861509 B1

L2: Entry 6 of 30700

File: USPT

Mar 1, 2005

US-PAT-NO: 6861509

DOCUMENT-IDENTIFIER: US 6861509 B1

TITLE: Antibodies to Ret and RetL3

DATE-ISSUED: March 1, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sanicola-Nadel; Michele	Winchester	MA		
Hession; Catherine	Hingham	MA		
Cate; Richard L.	Cohasset	MA		
Worley; Dane S.	Somerville	MA		

US-CL-CURRENT: 530/387.1; 530/300, 530/350, 530/385, 530/386, 530/387.9, 530/388.1,  
530/388.15, 530/389.1, 530/391.3, 530/391.7

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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☐ 7. Document ID: US 6861508 B2

L2: Entry 7 of 30700

File: USPT

Mar 1, 2005

US-PAT-NO: 6861508

DOCUMENT-IDENTIFIER: US 6861508 B2

TITLE: Transcriptional intermediary factor-2

DATE-ISSUED: March 1, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chambon; Pierre	Blaesheim			FR
Gronemeyer; Hinrich	Oberkirch			DE
Voegel; Johannes	Strasbourg			FR
Lutz; Yves	Strasbourg			FR

US-CL-CURRENT: 530/350; 530/300

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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☐ 8. Document ID: US 6861504 B2

L2: Entry 8 of 30700

File: USPT

Mar 1, 2005

US-PAT-NO: 6861504

DOCUMENT-IDENTIFIER: US 6861504 B2

TITLE: Compounds and methods for the modulation of CD154

DATE-ISSUED: March 1, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Phillips; David	San Mateo	CA		
Andre; Patrick	San Mateo	CA		
Wagner; Denisa D.	Boston	MA		

US-CL-CURRENT: 530/301; 435/69.2, 530/300

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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☐ 9. Document ID: US 6861444 B2

L2: Entry 9 of 30700

File: USPT

Mar 1, 2005

US-PAT-NO: 6861444

DOCUMENT-IDENTIFIER: US 6861444 B2

TITLE: Bicyclic compounds

DATE-ISSUED: March 1, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ikuta; Shunichi	Fuji			JP
Miyoshi; Shiro	Fuji			JP
Ogawa; Kohei	Mishima			JP

US-CL-CURRENT: 514/415; 514/443, 514/469, 548/503, 549/466, 549/467, 549/471,  
549/55

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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☐ 10. Document ID: US 6861443 B2

L2: Entry 10 of 30700

File: USPT

Mar 1, 2005

US-PAT-NO: 6861443

DOCUMENT-IDENTIFIER: US 6861443 B2

TITLE: Positive modulators of nicotinic receptors

DATE-ISSUED: March 1, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gurley; David	Lima	NY		
Lanthorn; Thomas	Pittsford	NY		

US-CL-CURRENT: 514/415; 514/343, 548/469

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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Terms

Documents

L1 and (agonist or antagonist)

30700

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Search Results - Record(s) 1 through 8 of 8 returned.

☐ 1. Document ID: US 6718178 B1

L1: Entry 1 of 8

File: USPT

Apr 6, 2004

US-PAT-NO: 6718178

DOCUMENT-IDENTIFIER: US 6718178 B1

TITLE: Automatic in-line messaging system

DATE-ISSUED: April 6, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sladek; Thomas M.	Overland Park	KS		
McConnell; Von K.	Leawood	KS		

US-CL-CURRENT: 455/466; 379/15.02, 379/211.01, 455/412.2, 455/414.1, 455/464

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KM/C	Draw De
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☐ 2. Document ID: US 6622016 B1

L1: Entry 2 of 8

File: USPT

Sep 16, 2003

US-PAT-NO: 6622016

DOCUMENT-IDENTIFIER: US 6622016 B1

TITLE: System for controlled provisioning of telecommunications services

DATE-ISSUED: September 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sladek; Thomas M.	Overland Park	KS		
Zhang; Baoquan	Overland Park	KS		
McConnell; Von K.	Leawood	KS		

US-CL-CURRENT: 455/414.1; 379/201.01, 379/201.02, 379/201.07, 379/201.08,  
455/422.1, 455/432.3, 455/439

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KM/C	Draw De
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☐ 3. Document ID: US 6522876 B1

L1: Entry 3 of 8

File: USPT

Feb 18, 2003

US-PAT-NO: 6522876

DOCUMENT-IDENTIFIER: US 6522876 B1

TITLE: System for managing telecommunications services through use of customized profile management codes

DATE-ISSUED: February 18, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Weiland; Dorene G.	Lake Lotawana	MO		
McConnell; Von K.	Leawood	KS		

US-CL-CURRENT: 455/414.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw D
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☐ 4. Document ID: US 6306389 B1

L1: Entry 4 of 8

File: USPT

Oct 23, 2001

US-PAT-NO: 6306389

DOCUMENT-IDENTIFIER: US 6306389 B1

TITLE: Isolated SCP proteins and uses thereof

DATE-ISSUED: October 23, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tureci; Ozlem	Homburg/Saar			DE
Sahin; Ugur	Homburg/Saar			DE
Pfreundschuh; Michael	Homburg/Saar			DE

US-CL-CURRENT: 424/93.21; 435/6

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw D
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☐ 5. Document ID: US 6261778 B1

L1: Entry 5 of 8

File: USPT

Jul 17, 2001

US-PAT-NO: 6261778

DOCUMENT-IDENTIFIER: US 6261778 B1

TITLE: Isolated nucleic acid molecules which encode SCP proteins, and uses thereof

DATE-ISSUED: July 17, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tureci; Ozlem	Homburg/Saar			DE
Sahin; Ugur	Homburg/Saar			DE
Pfreundschuh; Michael	Homburg/Saar			DE

US-CL-CURRENT: 435/6; 435/69.1, 435/7.23, 436/64, 436/813

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 6. Document ID: US 6258541 B1

L1: Entry 6 of 8

File: USPT

Jul 10, 2001

US-PAT-NO: 6258541

DOCUMENT-IDENTIFIER: US 6258541 B1

TITLE: Noninvasive detection of colonic biomarkers using fecal messenger RNA

DATE-ISSUED: July 10, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chapkin; Robert S.	College Station	TX		
Davidson; Laurie A.	College Station	TX		
Lupton; Joanne R.	College Station	TX		

US-CL-CURRENT: 435/6; 435/91.1, 435/91.2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 7. Document ID: US 6214983 B1

L1: Entry 7 of 8

File: USPT

Apr 10, 2001

US-PAT-NO: 6214983

DOCUMENT-IDENTIFIER: US 6214983 B1

TITLE: Isolated nucleic acid molecules which encode SCP proteins

DATE-ISSUED: April 10, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tureci; Ozlem	Homburg/Saar			DE
Sahin; Ugur	Homburg/Saar			DE
Pfreundschuh; Michael	Homburg/Saar			DE

US-CL-CURRENT: 536/23.2; 435/6

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 8. Document ID: US 4561922 A

L1: Entry 8 of 8

File: USPT

Dec 31, 1985

US-PAT-NO: 4561922

DOCUMENT-IDENTIFIER: US 4561922 A

TITLE: Polyurethane adhesives with improved water resistance containing a hydroxymethyl fatty polyol

DATE-ISSUED: December 31, 1985

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Peerman; Dwight E.	Minnetonka	MN		
Frisch; Kurt C.	Grosse Ile	MI		

US-CL-CURRENT: 156/331.4; 427/385.5, 428/423.1, 528/76, 528/77, 528/85

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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### Search Results - Record(s) 1 through 5 of 5 returned.

☐ 1. Document ID: US 6828327 B2

L11: Entry 1 of 5

File: USPT

Dec 7, 2004

US-PAT-NO: 6828327

DOCUMENT-IDENTIFIER: US 6828327 B2

TITLE: Macroheterocyclic compounds useful as kinase inhibitors

DATE-ISSUED: December 7, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kuo; Gee-Hong	Scotch Plains	NJ		
Zhang; Han-Cheng	Lansdale	PA		
Prouty; Catherine	Doylestown	PA		
DeAngelis; Alan	Pennington	NJ		
Connolly; Peter	New Providence	NJ		
Murray; William V.	Belle Mead	NJ		
Shen; Lan	Clinton	NJ		
Conway; Bruce	Doylestown	PA		
Demarest; Keith	Flemington	NJ		
Shah; Chandra R.	San Diego	CA		
Maryanoff; Bruce E.	Forest Grove	PA		
White; Kimberly B.	North Wales	PA		

US-CL-CURRENT: [514/279](#); [514/403](#), [514/410](#), [540/469](#), [540/472](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Dg
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☐ 2. Document ID: US 6780853 B1

L11: Entry 2 of 5

File: USPT

Aug 24, 2004

US-PAT-NO: 6780853

DOCUMENT-IDENTIFIER: US 6780853 B1

TITLE: Neuroactive steroids of the androstane and pregnane series

DATE-ISSUED: August 24, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Upasani; Ravindra B.	Foothill Ranch	CA		
Fick; David B.	Foothill Ranch	CA		
Hogenkamp; Derk J.	Carlsbad	CA		
<u>Lan</u> ; Nancy C.	South Pasadena	CA		

US-CL-CURRENT: 514/176; 540/111

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 3. Document ID: US 5925630 A

L11: Entry 3 of 5

File: USPT

Jul 20, 1999

US-PAT-NO: 5925630

DOCUMENT-IDENTIFIER: US 5925630 A

TITLE: Neuroactive steroids of the androstane and pregnane series

DATE-ISSUED: July 20, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Upasani; Ravindra B.	Foothill Ranch	CA		
Fick; David B.	Mission Viejo	CA		
Hogenkamp; Derk J.	Carlsbad	CA		
<u>Lan</u> ; Nancy C.	South Pasadena	CA		

US-CL-CURRENT: 514/182; 552/638, 552/639, 552/640, 552/641, 552/647, 552/648,  
552/649

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 4. Document ID: US 5591733 A

L11: Entry 4 of 5

File: USPT

Jan 7, 1997

US-PAT-NO: 5591733

DOCUMENT-IDENTIFIER: US 5591733 A

TITLE: Methods, compositions, and compounds for allosteric modulation of the gaba receptor by members of the androstane and pregnane series

DATE-ISSUED: January 7, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bolger; Michael B.	Los Alamitos	CA		
Gee; Kelvin W.	Irvine	CA		

Lan; Nancy C.	South Pasadena	CA
Purdy; Robert H.	La Jolla	CA
Mirsadeghi; Seid	Rolling Hills	CA
Tahir; Syed Hasan	Edmonton	CA
Belelli; Delia	Kingsbarns by St. Andrews	GB6

US-CL-CURRENT: [514/172](#); [514/169](#), [514/176](#), [514/177](#), [514/178](#), [514/179](#), [514/180](#),  
[514/181](#), [514/182](#), [540/106](#), [540/107](#), [540/108](#), [540/109](#), [540/110](#), [540/111](#), [540/112](#),  
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[552/505](#), [552/540](#), [552/541](#), [552/542](#), [552/544](#), [552/546](#), [552/547](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 5. Document ID: US 5232917 A

L11: Entry 5 of 5

File: USPT

Aug 3, 1993

US-PAT-NO: 5232917

DOCUMENT-IDENTIFIER: US 5232917 A

TITLE: Methods, compositions, and compounds for allosteric modulation of the GABA receptor by members of the androstane and pregnane series

DATE-ISSUED: August 3, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bolger; Michael	Los Alamitos	CA		
Gee; Kelvin W.	Hacienda Heights	CA		
Lan; Nancy C.	S. Pasadena	CA		
Belelli; Delia	Rowland Heights	CA		
Mirsadeghi; Seid	Sherman Oaks	CA		
Purdy; Robert	San Antonio	TX		

US-CL-CURRENT: [514/176](#); [514/169](#), [514/172](#), [514/177](#), [514/178](#), [514/179](#), [514/180](#),  
[514/181](#), [514/182](#), [540/106](#), [540/107](#), [540/108](#), [540/109](#), [540/110](#), [540/111](#), [540/112](#),  
[540/94](#), [540/95](#), [540/96](#), [540/97](#), [540/98](#), [540/99](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L12





### Search History

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<u>L11</u>	l7 and l8	5	<u>L11</u>
<u>L10</u>	L9 and l8	0	<u>L10</u>
<u>L9</u>	Krebs.in.	636	<u>L9</u>
<u>L8</u>	lan.in.	768	<u>L8</u>
<u>L7</u>	L6 and (block AeSCP-2)	2232	<u>L7</u>
<u>L6</u>	L5 and binding	3551	<u>L6</u>
<u>L5</u>	L4 and cholesterol	4510	<u>L5</u>
<u>L4</u>	L2 and (agonist or antagonist)	30700	<u>L4</u>
<u>L3</u>	L2 and (agonist or antagonist of AeSCP-2)	55870	<u>L3</u>
<u>L2</u>	(Aedes aegypti sterol carrier protein-2 or AeSCP-2)	519585	<u>L2</u>
<u>L1</u>	SCP-2	8	<u>L1</u>

END OF SEARCH HISTORY